### PATENT COOPERATION TREATY

## **PCT**

# TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference HC05P003				FOR FURTHER AC	TION	See Form PCT/IPEA/416	
International application No.				International filing date	(day/month/year)	Priority date (day/month/year)	
PCT/JP2005/001941				09.02.2005	1	13.02.2004	
Internati	International Patent Classification (IPC) or national classification and IPC						
C09J163/00(2006.01), C09J9/02(2006.01), C09J11/04(2006.01), C09J11/06(2006.01), H01B1/00(2006.01), H01B1/22(2006.01)							
Applicant HARIMA CHEMICALS, INC.							
1.	1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.						
2.	This R	REPORT consist	s of a total of _	sheets, including this cover sheet.		g this cover sheet.	
3.	This re	eport is also acc	ompanied by A	NNEXES, comprising:			
	a. D	(sent to th	e applicant and	to the International Bure	cau) a total of 4	sheets, as follows:	
	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental						
		Box.					
	b. <u></u>	(sent to th	e International I	Bureau only) a total of (ii	ndicate type and number	r of electronic carrier(s))	
		1-4- 4 41	·- :			_ , containing a sequence listing and/or tables	
				rative Instructions).	moreated in the Supple	mental Box Relating to Sequence Listing (see	
4.	This re	eport contains in	ndications relati	ng to the following items	:		
	$\bowtie$	Box No. I	Basis of the	report			
		Box No. II	Priority				
	$\boxtimes$	Box No. III	Non-establi	shment of opinion with re	hment of opinion with regard to novelty, inventive step and industrial applicability		
				y of invention			
	Box No. V  Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					lty, inventive step or industrial applicability;	
		Box No. VI	Certain doc	uments cited			
	Box No. VII Certain defects in the international application						
	Box No. VIII Certain observations on the international application						
Date of s	submiss	ion of the dema	nd		Pate of completion of the	is report	
					-	-	
Name and mailing address of the IPEA/JP			A	uthorized officer			
Facsimile No.			Т	elephone No.			

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/001941

Box N	lo. I	Basis of the report						
		regard to the language, this report is based on the internatio ated under this item.	nal application in the language in	which it was filed, unless otherwise				
		his report is based on translations from the original language into the following hich is the language of a translation furnished for the purposes of:						
		international search (Rule 12.3 and 23.1(b))						
		publication of the international application (Rule 12.4	)					
		international preliminary examination (Rule 55.2 and	or 55.3)					
	recei		egard to the <b>elements</b> of the international application, this report is based on (replacement sheets which have been furnished to the ng Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to					
ſ		the international application as originally filed/furnished						
Ī	$\boxtimes$	the description:						
		pages 1-29		as originally filed/furnished				
		pages*						
		pages*	•					
Γ	$\overline{\mathbf{X}}$	the claims:						
L								
		nos. 2,3,5,7,8		as originally filed/furnished				
		nos.*						
			received by this Authority on					
г	$\neg$	nos.* 1, 6, 10	received by this Authority on	22.03.2006				
L		the drawings:						
		sheets		as originally filed/furnished				
		sheets*	received by this Authority on					
_	_	sheets*	received by this Authority on					
L		a sequence listing and/or any related table(s) – see Supplement	equence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.					
3.		The amendments have resulted in the cancellation of:						
		the description, pages						
		the claims, nos.	the claims, nos.					
		the drawings, sheets/figs						
	the sequence listing (specify):							
		any table(s) related to sequence listing (specify):						
4.			s report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).					
		the description, pages	the description, pages					
		the claims, nos.	the claims, nos.					
			the drawings, sheets/figs					
		the sequence listing (specify):	the sequence listing (specify):					
		any table(s) related to sequence listing (specify):						
*	If ite	m 4 applies, some or all of those sheets may be marked "sup	erseded."					

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

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Box No. II	. III Non-establishment of opinion with regard to novelty, inventive step and industrial applica	bility				
	estions whether the claimed invention appears to be novel, to involve an inventive step (to be non of ole have not been examined in respect of:	ovious), or to be industrially				
	the entire international application					
	claims Nos10-12					
becaus	because:					
ш	the said international application, or the said claims Nos.  relate to the following subject matter which does not require an international preliminary examination (s					
	relate to the following subject matter which does not require an international preliminary examination (s	pecify):				
	the description, claims or drawings (indicate particular elements below) or said claims Nos.					
	are so unclear that no meaningful opinion could be formed (specify):					
		e so inadequately supported				
	by the description that no meaningful opinion could be formed.					
	no international search report has been established for said claims Nos. 10-12					
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in A Instructions in that:	nnex C of the Administrative				
	the written form has not been furnished					
	does not comply with the standard					
	the computer readable form has not been furnished					
	does not comply with the standard					
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form technical requirements provided for in Annex C-bis of the Administrative Instructions.	only, do not comply with the				
	See Supplemental Box for further details.					
	<del>-</del> -,					

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Box No. V				ticle 35(2) with regard to novelty, inventive step or industrial applicability; oporting such statement	
1.	Statement				
	Novelty (	N)	Claims		YES
			Claims	1-9	_ NO
	Inventive	step (IS)	Claims		YES
			Claims	1-9	_ NO
	Industrial applicability (IA)		Claims	1-9	_ YES
			Claims		_ NO

- 2. Citations and explanations (Rule 70.7)
  - Document 1: JP 2003-147306 A (Fujitsu Limited), 21 May 2003
  - Document 2: JP 2003-45228 A (Hitachi Chemical Co., Ltd.), 14 February 2003
  - Document 3: JP 2000-290617 A (Asahi Chemical Industry Co., Ltd.), 17 October 2000
  - Document 4: JP 2000-192000 A (Asahi Chemical Industry Co., Ltd.), 11 July 2000
  - Document 5: JP 9-53001 A (Admatechs KK), 25 February 1997

The invention set forth in claims 1 to 9 lacks novelty and does not involve an inventive step in the light of documents 1 to 5 cited in the international search report.

Document 1 sets forth an epoxy resin containing a compound having a polycyclic aromatic ring structure such as a naphthalene ring of dihydroxy naphthalene diglycidyl ether or the like; document 2 sets forth an epoxy resin hardener containing acid anhydride such as phthalic anhydrides; document 3 sets forth a conductive filler of silver particles and the like; document 4 sets forth a hardening accelerator; and document 5 sets forth a conductive adhesive containing commonly-used additives

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

such as silane coupling agents. Documents 1 to 5 also set forth a feature wherein the composition ratio of conductive filler in relation to other binder components is a multiple of 2 to 10 by weight, or approximately 30% to 70% by volume.

Comparing the invention set forth in claims 1 to 9 of this application with the inventions set forth in documents 1 to 5, in the invention set forth in claims 1 to 9, a substance obtained by condensing a cyclic acid anhydride part with a cyclic hydrocarbon skeleton with a total of 8 or more carbon atoms is used as an acid anhydride hardener, while in documents 1 to 5, there is no specific disclosure concerning the use of said specific acid anhydride hardener, which may appear at a glance to constitute a difference, but examining the content of the description of this international application (especially the comparison of the results of implementation of comparative example 1 and comparative example 2), there is no technical creativity involved in selecting said acid anhydride, therefore no technical difference is acknowledged.

Therefore there is no effective technical (conceptual) difference between the invention set forth in claims 1 to 9 of this application and the inventions set forth in documents 1 to 5.